CamDiscovery

A1 User Manual

Please read the user manual clearly for avoiding any wrong opeartion, current manual is not the newest and not complete, please contact us if any query.

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Main Feature

- 480 x 240，1.5" TFT LCD Screen
- 3MP HD COMS Sensor
- 135° Wide angle
- FHD 1080p ; H.264 Compression into MOV Video format
- G-Sensor reaction, Save the current video compulsively when the accident occurred.
- Zero second leakage REC function, save all datum .
- Auto REC: Camera will turn on and start video record automatically after launch the vehicle.
- Loop REC: Set up in different REC time.
- Support photo shot
- Video resolution option in setting:

16：9 Full HD 1920 x 1080p 30FPS

16：9 HD 1280 x 720p 60FPS

16：9 HD 1280 x 720p 30FPS

4：3 WVGA 848 x 480 30FPS

- Picture resolution option in setting:

4000 x 3000 12MP

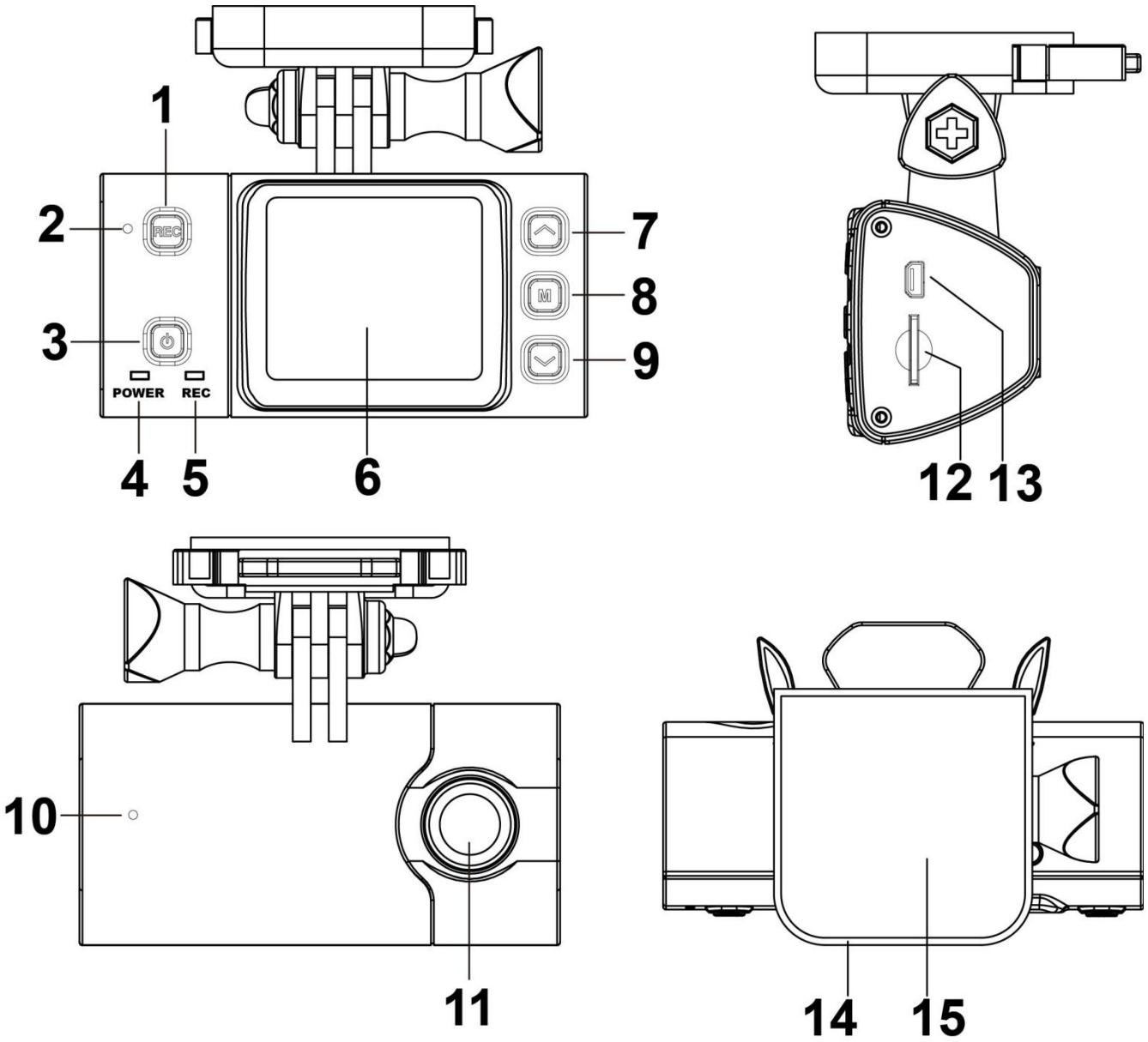
3200 x 2400 8MP

2592 x 1944 5MP

- Video & Picture playback
- Support 1GB~32GB High speed TF memory card
- High speed USB2.0 interface for Power charge and Data transfer
- USB & RCA output optional

Install and Use

1. Camera buttons



1, REC/Confirm

2,Reset

3,Power/Mode

4, Power indicator

5, REC indicator

6, LCD Screen

7, Up

8， Menu

9， Down

10，MIC

11， Lens

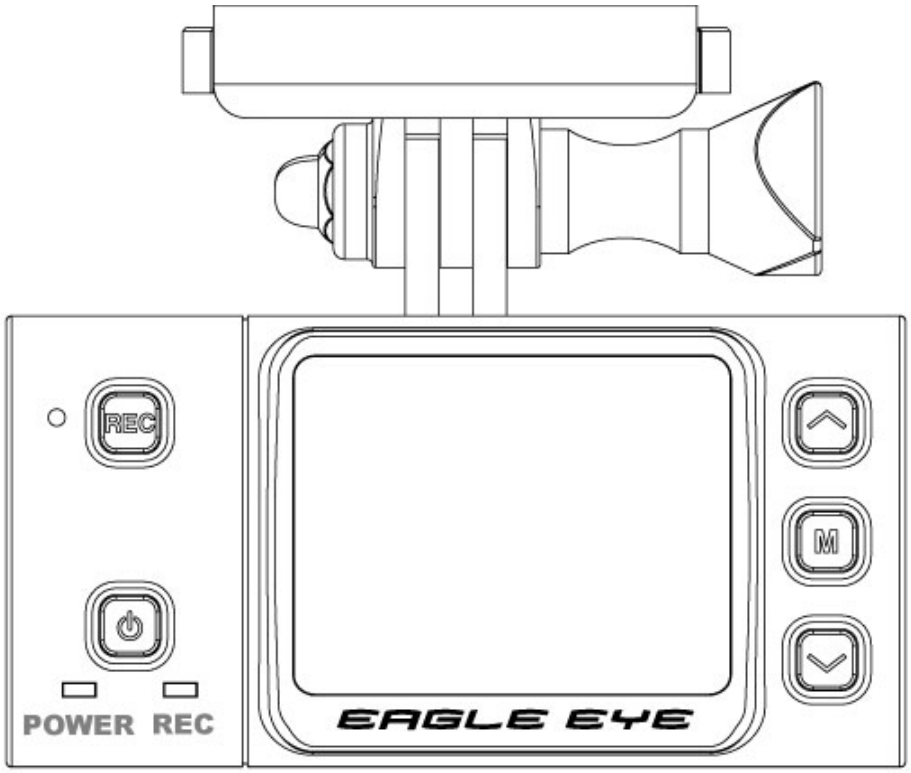
12，USB Port / Video output

13，TF card slot

14-15，Mount /3M adhesive

2. Install Memory Card

a ，Please install the TF Card according the graphic:

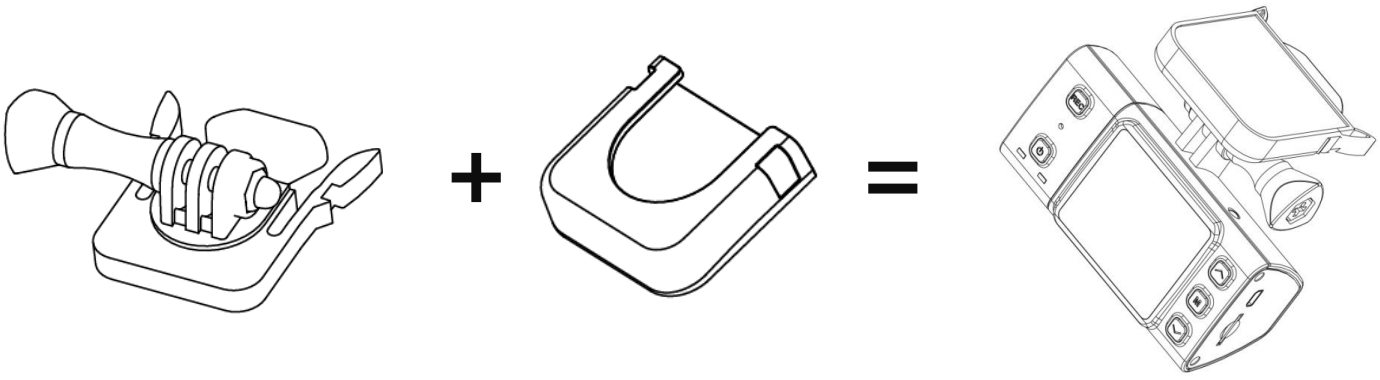


b ，This camera without build in storage, support 1GB~32GB TF Card external memory expand. c ，After install the TF card ,rest available memory could be checked on the screen.

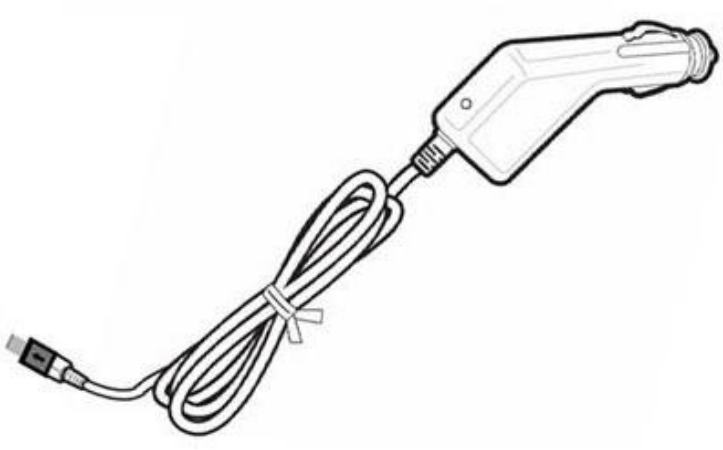
Attention:

Please use the original TF card for good using experience. Bad or phony TF card would happen the problem like “can not read” or “file damaged”. Please format the TF card in this camera before use it at first time.

3. Install the Mounts



4. Connect to cigar lighter



Mini 8pin side insert to camera , car charger side insert to cigar lighter.

5. Video record and Capture

a ,Camera will power on and start video record automatically while starting the car or connecting the power source, a red icon will flash on left corner of screen during this time.

b , Press **POWER** button transfer to picture shot mode, press REC to take a photo, press< and > to zoom in/out.

6. Video Playback

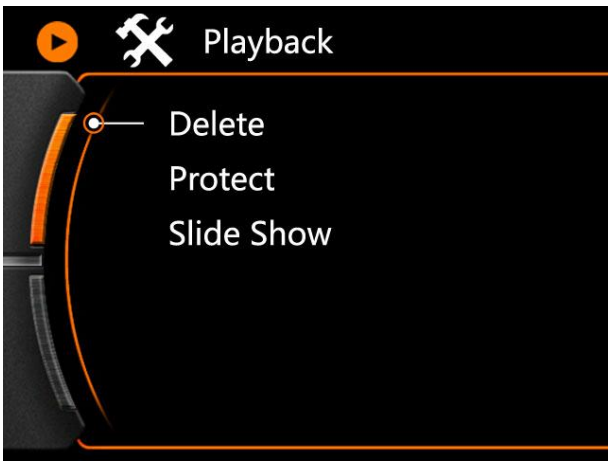
Press POWER button to enter the video file, press < or > to browse the videos and photos

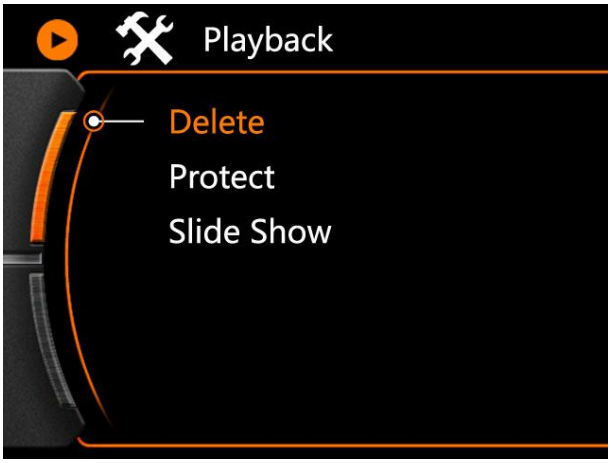
Press REC to play or pause the video, press < or > to fast forward or fast rewind.

Press < or > to browse next photo

7. Delete files

Press MENU under playing or browsing state, delete option menu will display on the screen.





Press < > to choose

Choose Delete : Press **REC** button to confirm delete and the delete option menu will appear, or press **MENU** to quit.

Delete Current：Press **REC** to delete current file, or press **MENU** to cancel operation.

Delete All: Press REC to delete all video & picture files, or press MENU to cancel operation.

Choose Protect : Press **REC** button to confirm and protect option menu will appear, or press MENU to quit.

Lock Current : Current file will not effected by loop record and will not be deleted.

Unlock Current: Current file would be deleted if the memory card is full under loop record mode.

Lock All: All video and picture files will not effected by loop record and will not be deleted.

Unlock All : All video and picture files would be deleted if the memory card is full under loop record mode.

Slide Show: Press REC to enter in 2 seconds slide show mode

Press REC to confirm operation and quit

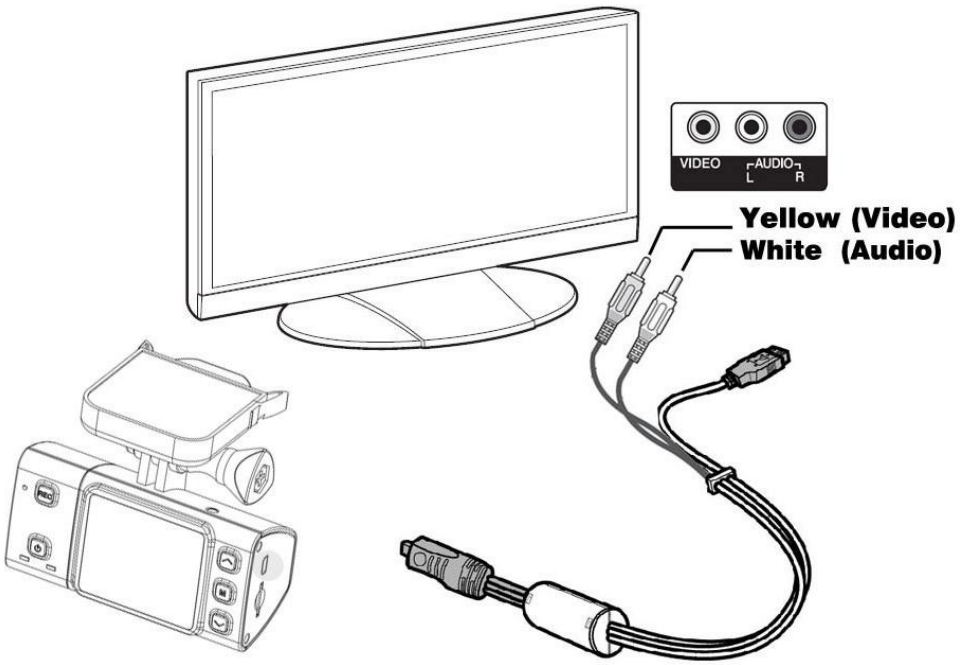
Attention:

The files will not be recovered after deleted, recommend to backup before do this operation.

8. Connect to Television

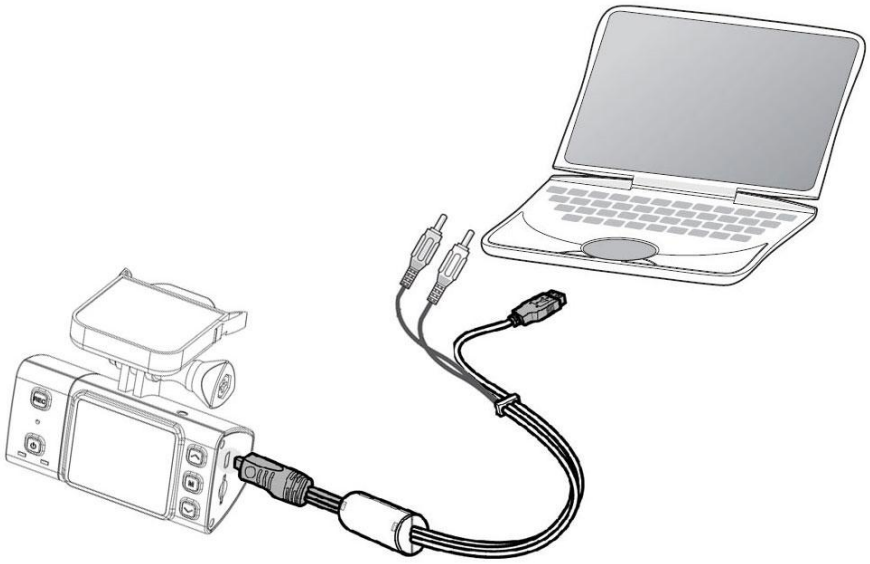
A , USB-RCA cable connect with TV

RCA side insert to TV (Yellow for Video, White for Audio); 8 pin USB side insert to camera.

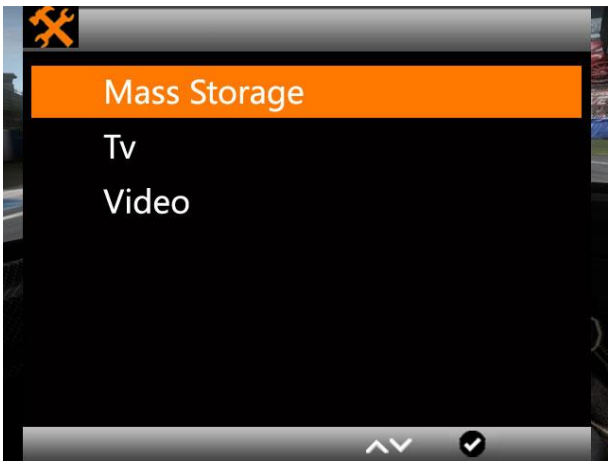


9. Connect with Computer

Connect the camera with computer via USB cable, available for data transfer, update the camera firmware and charge.



After connect with the computer, option menu will be display on the screen, press < or > to make a choice.



Press REC to confirm operation.

Mass Storage : Connect with computer to browse , copy or playback in the computer.

TV : Connect to TV , could play the video clips and pictures in the camera memory card.

Video : Connect with computer to charge the power and it is also available to operate the camera and do recording.

System Icons

REC Mode

Capture Mode

Scan Mode

REC setting

Capture setting

System setting

HDR

MIC on

Loop REC / 5 Minutes per video clip

Exposure Value

Full HD 1080p 30FPS

Anti-Shaking ON

White Balance

ISO

Photo pixel

Photo quality

TF Card condition

Battery

Charging

No SD card installed (Use internal memory)

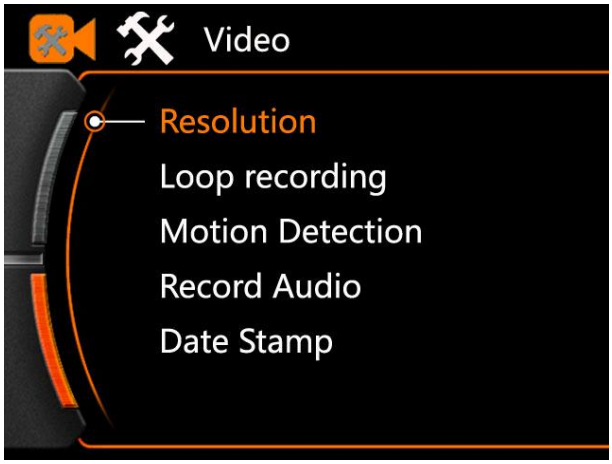
Protected file while G-sensor active

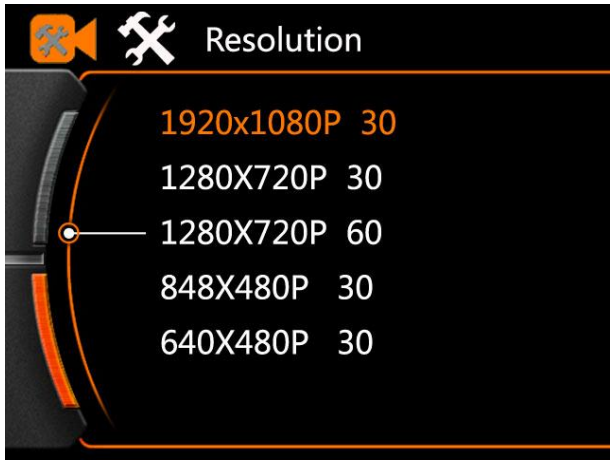
REC Setting

REC Mode

Press MENU under REC mode to enter main menu, press < > to select setting content, press REC to confirm operation.

1. Video Resolution :

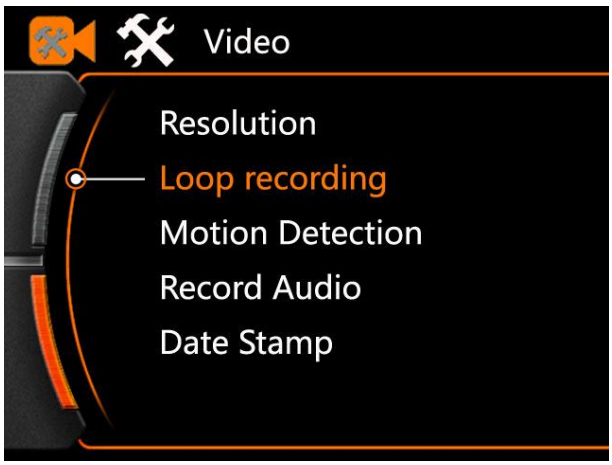


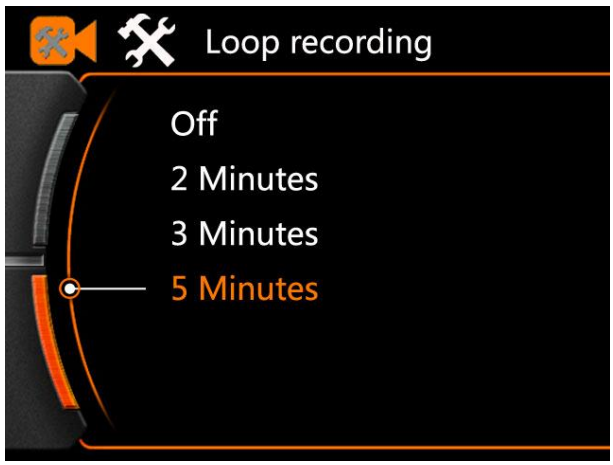


Press < > to select suitable resolution , press REC to confirm , save and quit.

2. Loop record setting

Press < > to select loop recording under REC mode , press REC to confirm operation and quit.





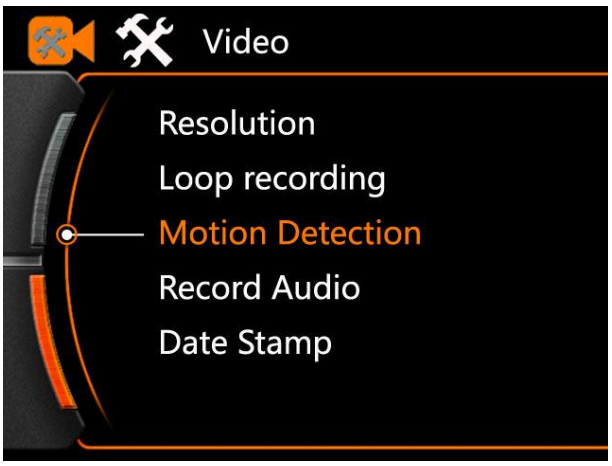
Press < > to select suitable loop time , press REC to confirm , save and quit 6

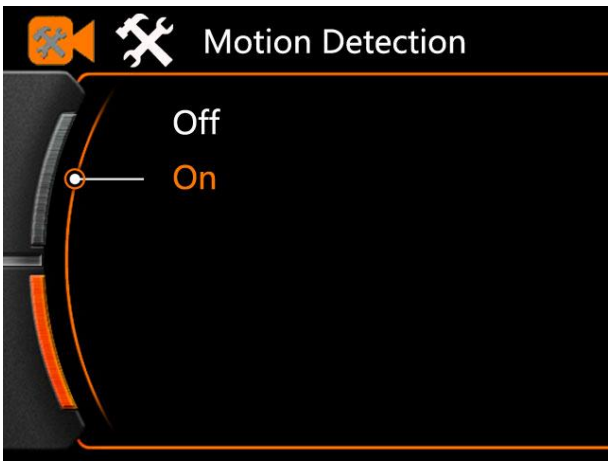
First time default loop time is 5 minutes

OFF : Loop record is not activated , the camera will continue record till the SD card full or the vehicle turned off, the system will not save the video in part.

3. Motion Detection

Press < > to select motion detection under REC mode , press REC to confirm operation .





Press < > to select off or on, press REC to confirm setting , save and quit.

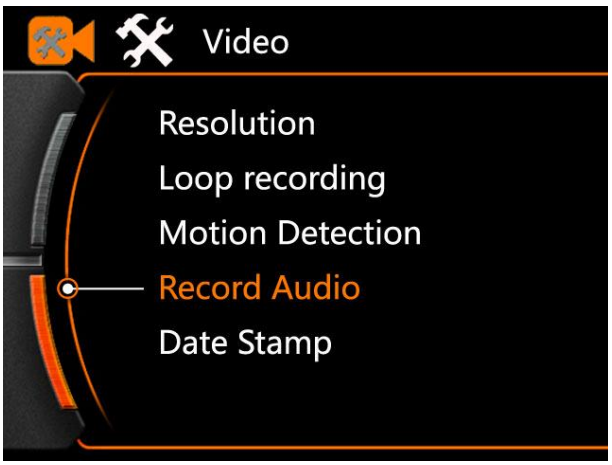
ON: REC mode will turn to motion detection mode directly and Auto Record model will not available any more.

Motion detection : Active to start video record only when detect movement.
The default Recording time will continue 10 Seconds if there without 2nd movement detected.

Camera will record continuously if movement always detected.

4. Record Audio

Press < > to select " Record audio" under REC mode , press REC to confirm and enter.



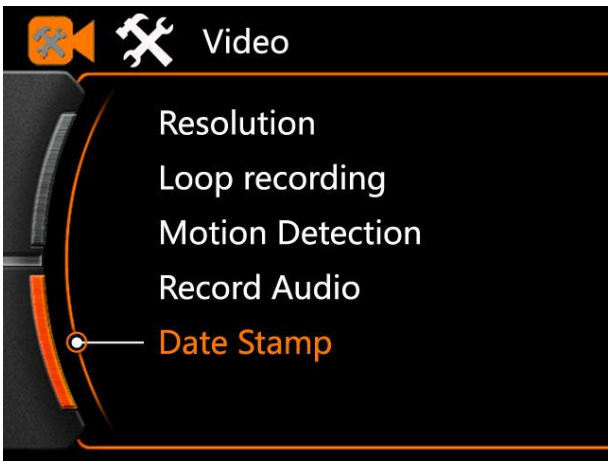
Press < > to select ,press REC to confirm and quit.

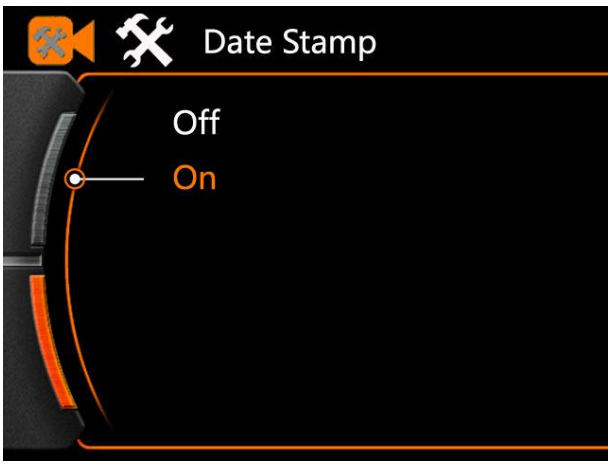
Off: Video clip without sound

On : Video clip with sound

5. Date & Time stamp

Press MENU to enter the main menu of the camera , press < > to select time stamp





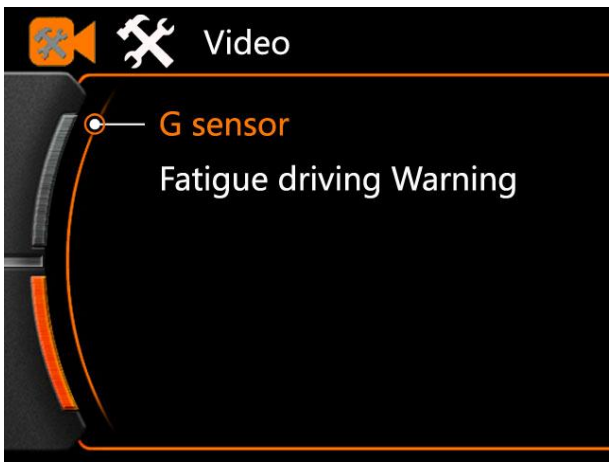
Press REC to confirm and enter to select menu, press < > to select , press REC to save and quit.

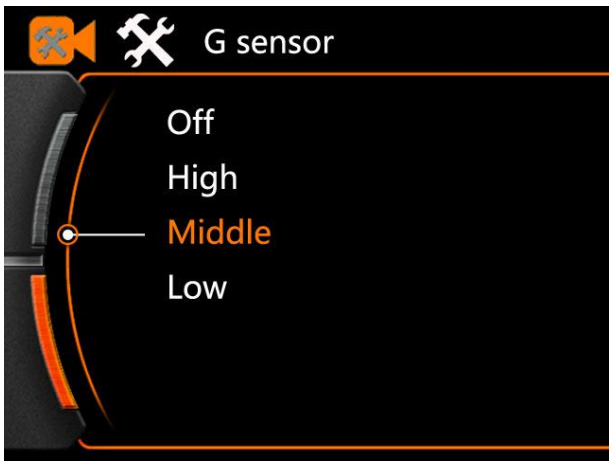
OFF: Video clip without Date & Time stamp

On : Video clip with Date & Time stamp

6. G-Sensor

Press MENU to enter main menu, press < > to select G-Sensor.





Press < > to select

Off: Turn OFF G-Sensor

High : High sensitive respond to active G-sensor

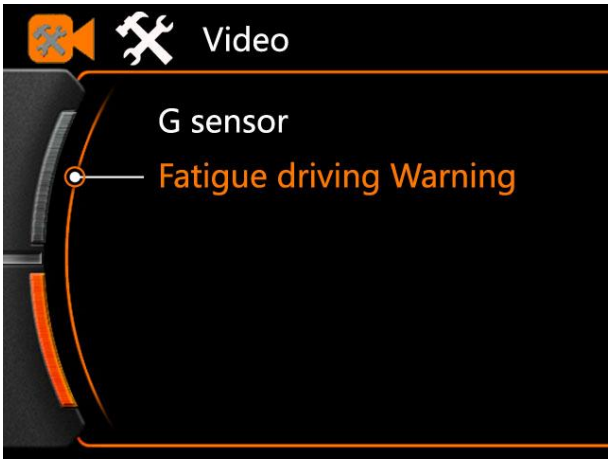
Middle : Middle sensitive respond to active G-sensor

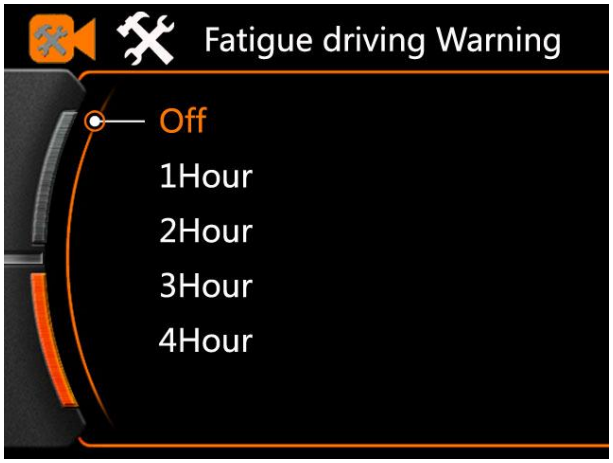
Low : Low sensitive respond to active G-sensor

Note: This function is useful for saving current file when vehicle suddenly stop or traffic accident happen.

7. Fatigue driving Warning

Press MENU to enter main menu, press < > to select Fatigue driving Warning





Press < > to select

Warning icon :

Note :

Off: Close warning

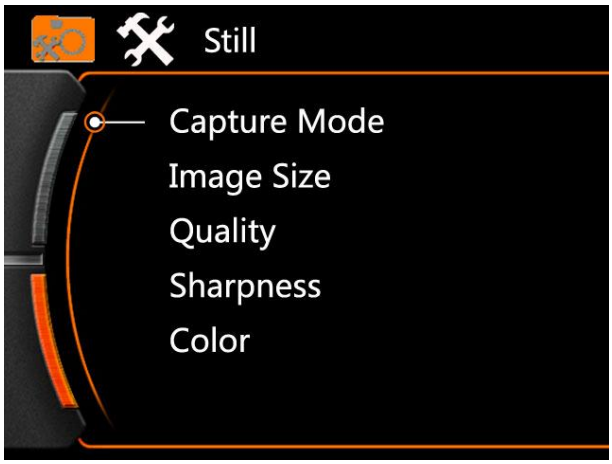
1Hour：Warning per hour　　2Hour：Warning per 2 hours

3Hour：Warning per 3 hours　　4Hour：Warning per 4 hours

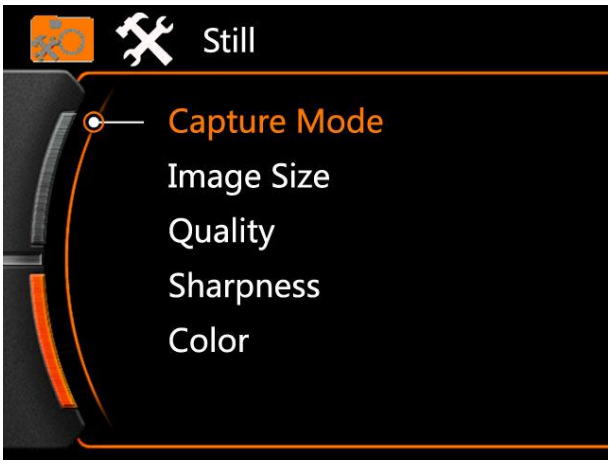
Video & Picture Setting

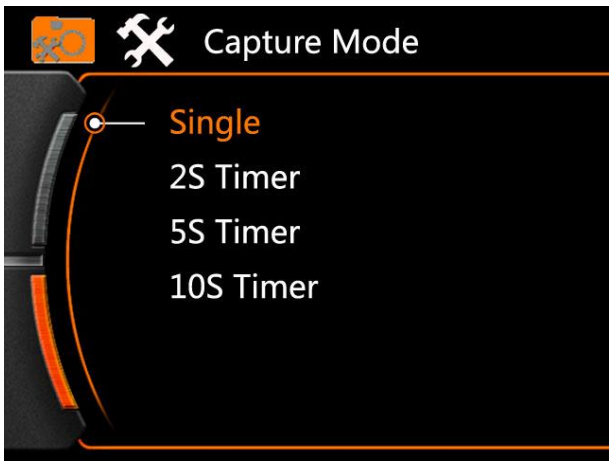
1. Picture Capture Mode

Press POWER to select Capture Mode, press MENU to enter main menu ,press < > to select



Press < > to select capture mode, press REC to confirm and enter select menu



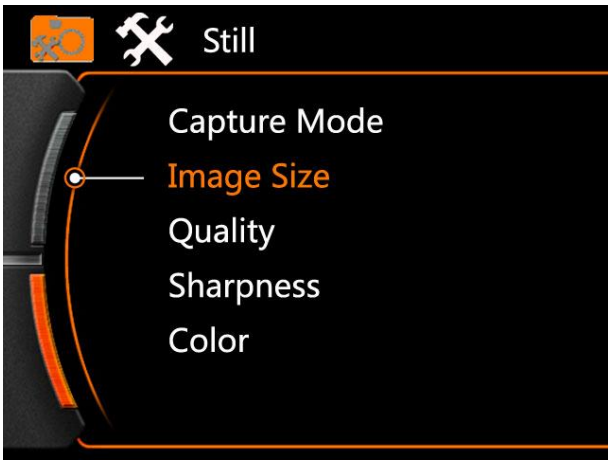


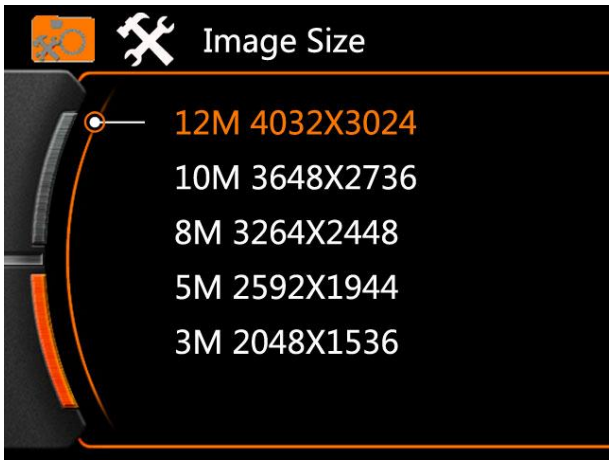
Single : Press REC button once to take one picture immediately

2S / 5S / 10S timer : Delay 2s/5s/10s to take picture after press REC button

2. Image size

Press < > to select the image size , press REC to enter the select menu.

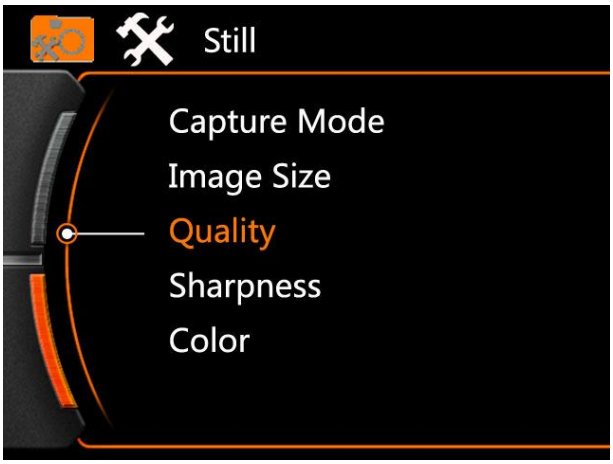




Press < > to select suitable image size according to personal need, press REC to save and quit .

3. Still Picture Quality

Press < >to select image quality, press REC to enter select menu.



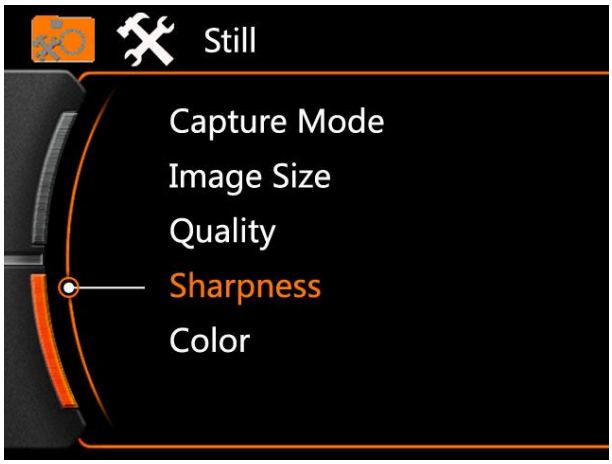
Press < > to select image quality.

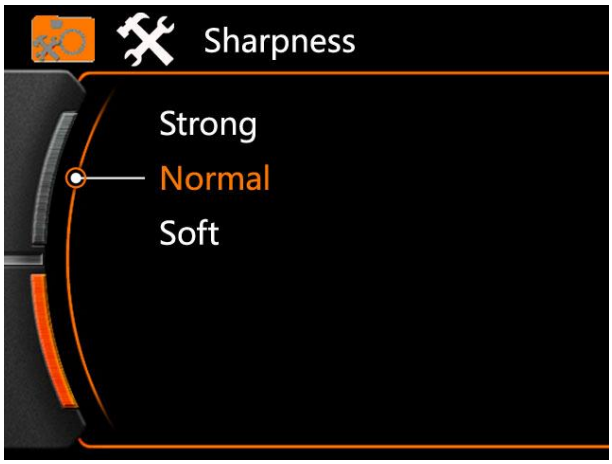
Press REC to save setting and quit.

Note: *Default setting is High quality .*

4. Sharpness

Press < > to select sharpness ,press REC to enter select menu



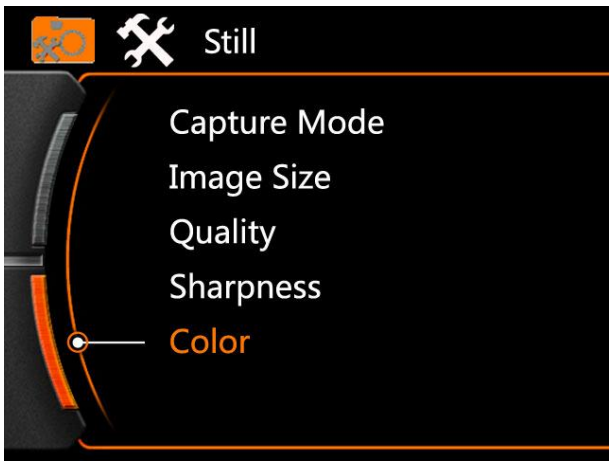


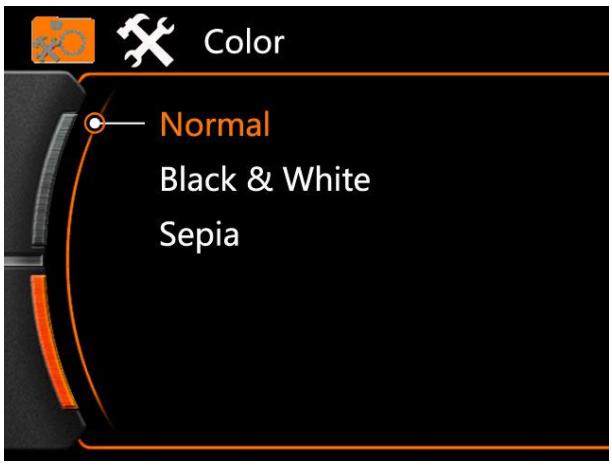
Press < > to select suitable sharpness option, press REC to save and quit.

Remark: *Default setting is Normal.*

5. Color Effect

Press < > to select the effect of color





Press REC to enter setting

Press < > to select to select suitable photo effect, press REC to save option and quit.

Normal : Normal color picture

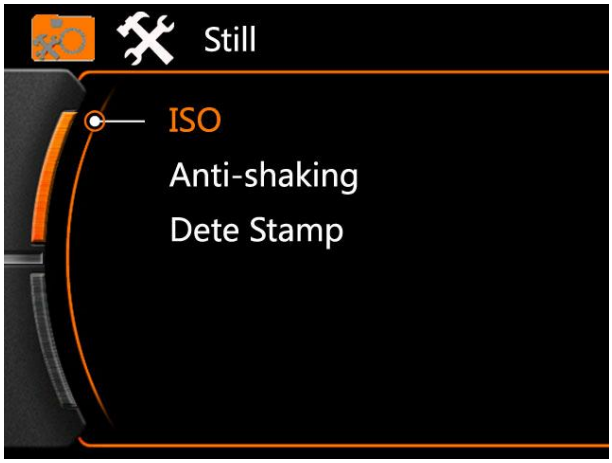
Black & White: Black and white picture

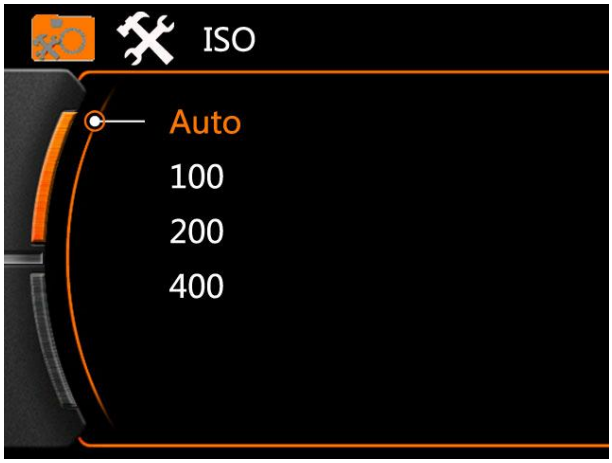
Sepia: Retro special efficiency picture

Remark: *Default setting is Normal color picture.*

6. ISO Setting

Press < > to select ISO under capture mode, press REC to confirm and enter option menu.





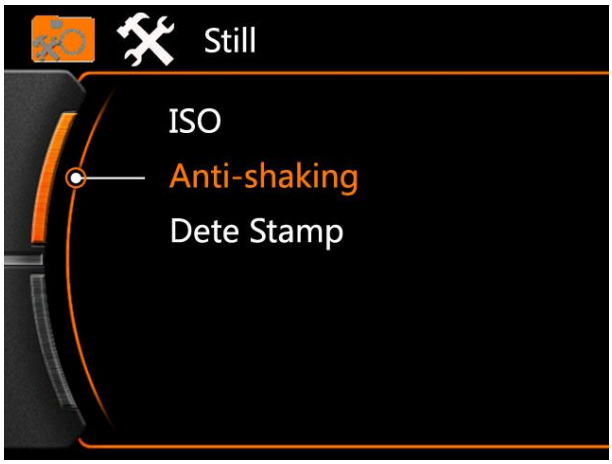
Press < > to select suitable ISO according to different enviroment

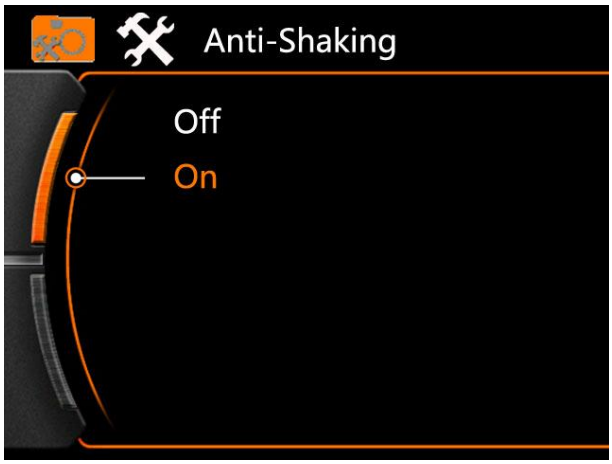
Press REC to save selection and quit.

Remark: Default Setting is Auto

7. Anti-Shaking of Hands

Press < > to select Anti-Shaking ,press REC to enter the option menu.





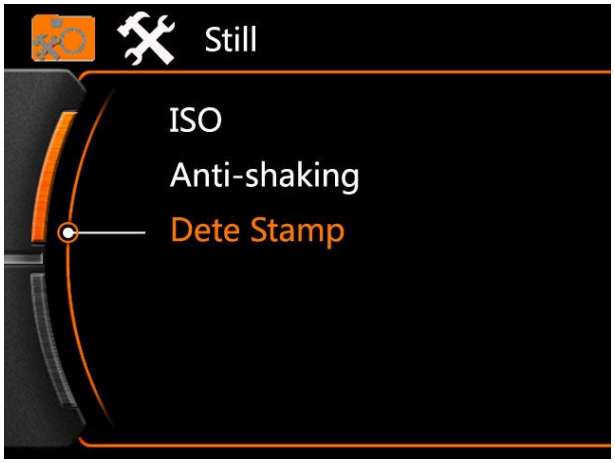
Press < > to select OFF or ON

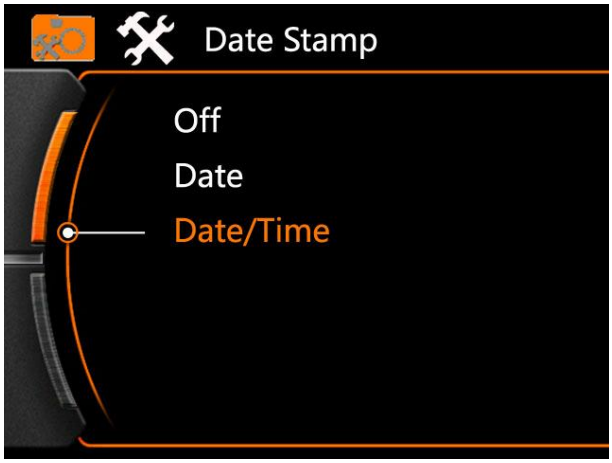
Press REC to save option and quit

Remark : Default setting is ON, recommend to turn on.

8. Date & Time stamp

Press < > to select date stamp ,press REC to enter the option menu.





Press < > to select turn on or turn of the date stamp.

Press REC to confirm , save and quit.

Off: Picture without date display

Date : Picture with date display

Date / Time : Picture with time and date display

Remark: Default setting is Date & Time displayed in the picture.

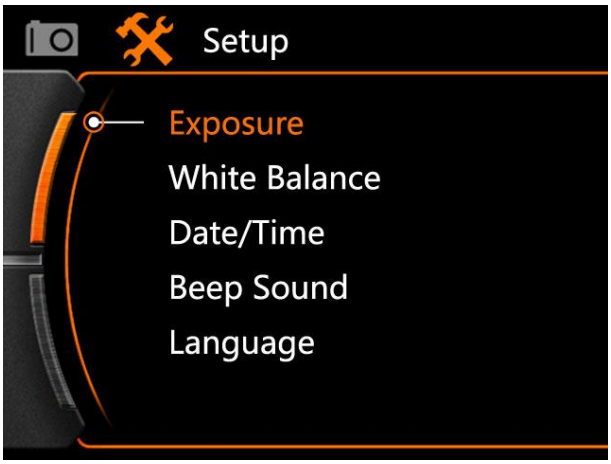
System Setting

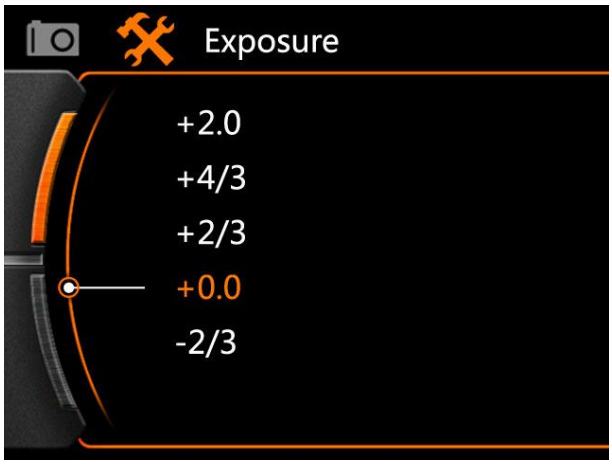
Press the “ MENU “ button twice to enter the system setting menu.

1. Exposure Setting

Press MEMU to enter the current setting ,press menu again to enter system setting menu.

Press < > to select exposure





Press REC to enter setting menu

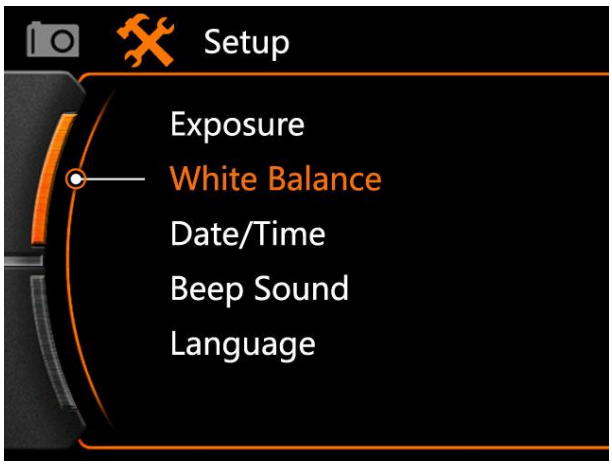
Select suitable exposure according to different environment

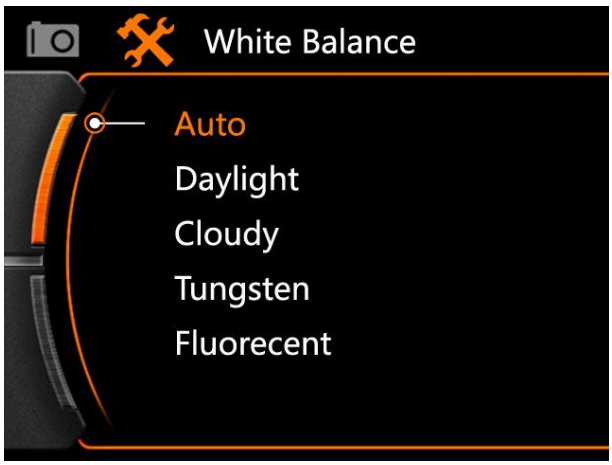
Press REC to save setting and quit

Remark : Default setting is +0.0

2. White balance

Press < > to select white balance setting





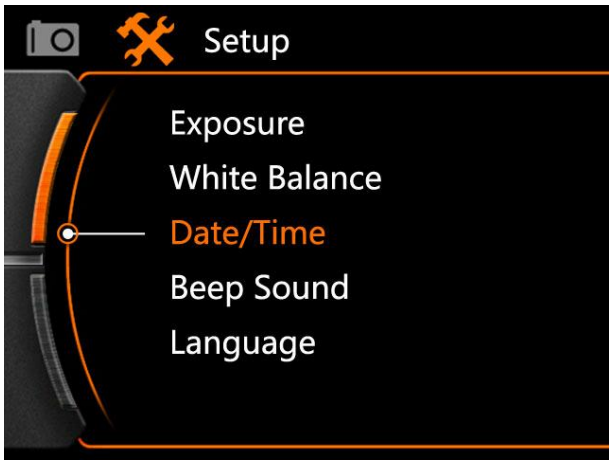
Press < > to select

Press REC to confirm, save and quit

Remark: Default setting is auto

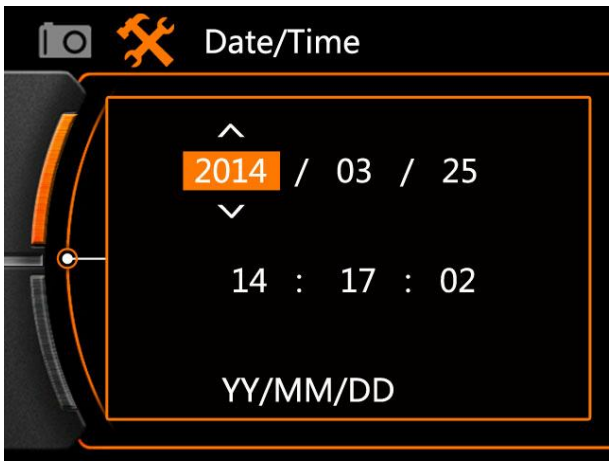
3. Date/Time Setting

Press < > to select Date/ Time, press REC to correct time and date



Press REC to confirm and enter ,

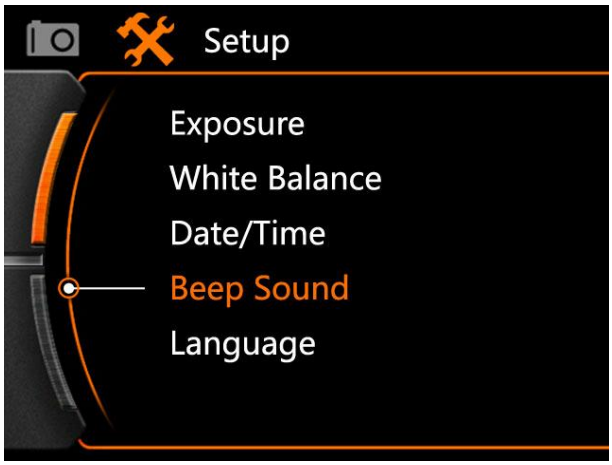
Press < > to adjust time and date, press REC to confirm ,save and forward to next setting.

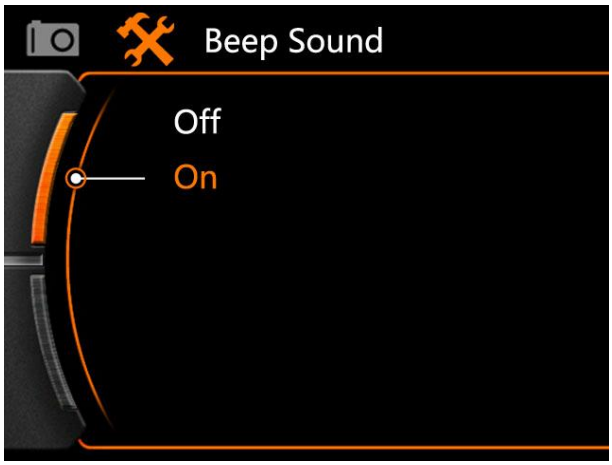


Press REC to save and quit.

4. Beep Sound

Press < > to select beep sound ,press REC to enter setting .



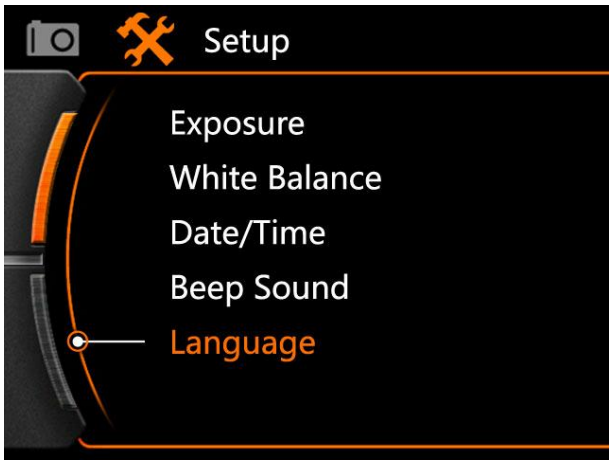


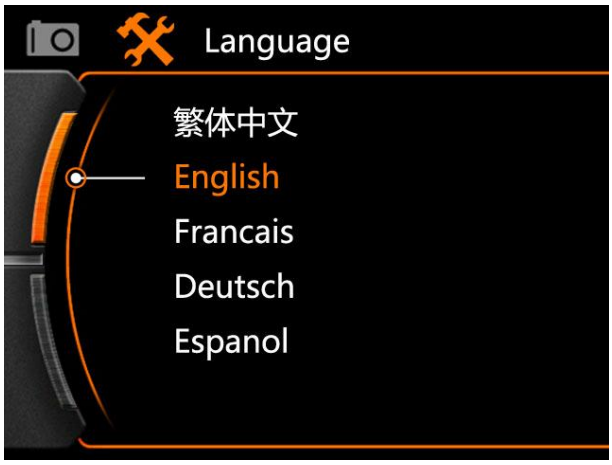
Press < > to select turn on / off the button sound

Press REC to confirm setting and quit

5. Language

Press < > to select language ,press REC to setting





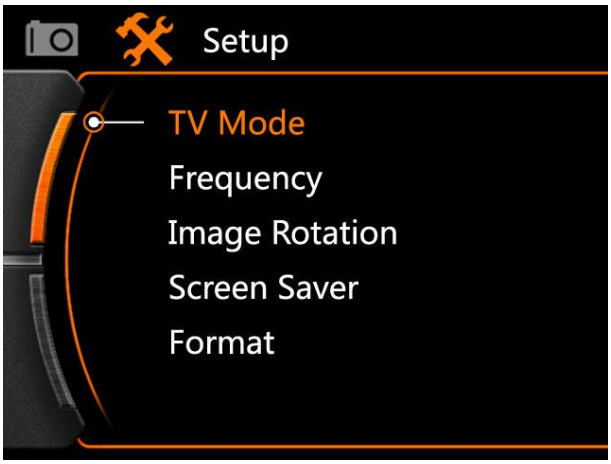
Press REC to confirm and press< > to select language

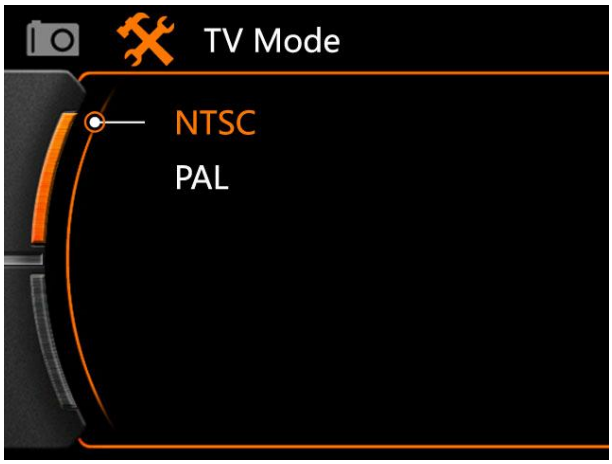
Press REC to confirm and quit

Remark : Default setting is English

6. TV mode output

Press < > to select TV mode





Press REC to confirm and select , press < > to select PAL system

Press REC to confirm and quit

NTSC : 60Hz for Europe , America, Japan, etc.

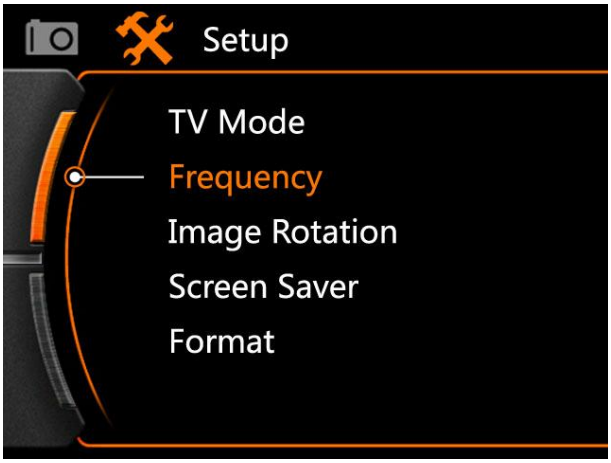
PAL : 50Hz for China and some Asia countries

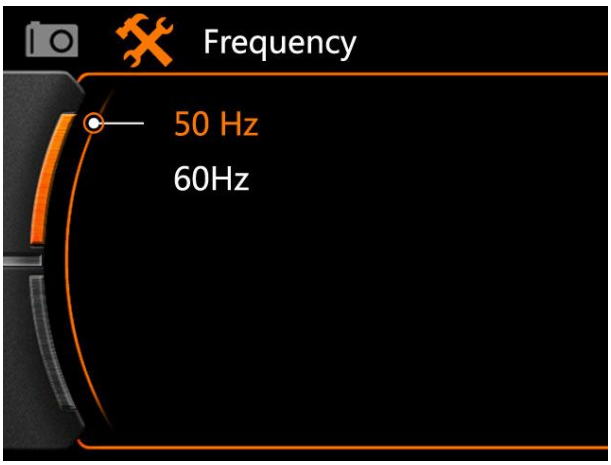
Most TV compatible with NTSC / PAL automatically ,could be used directly without external setting

Remark : Default setting is NTSC system

7. Frequency

Press < > to select frequency





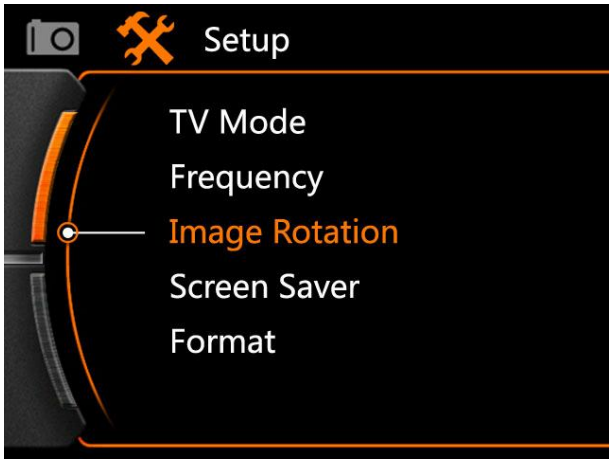
Press REC to confirm and select ,press < > to select

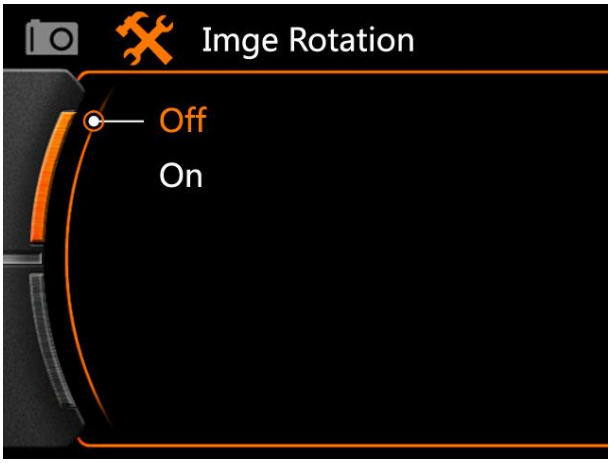
Press REC to confirm setting and quit

Note: The frequency here means Power Frequency.

8. Image Rotation

Press < > to select Image Rotation





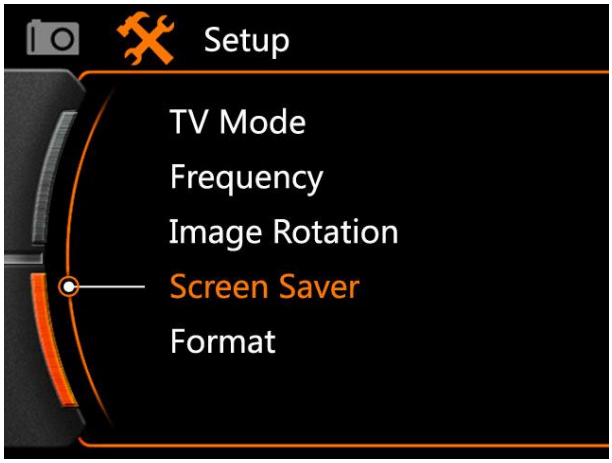
Press REC to confirm and select

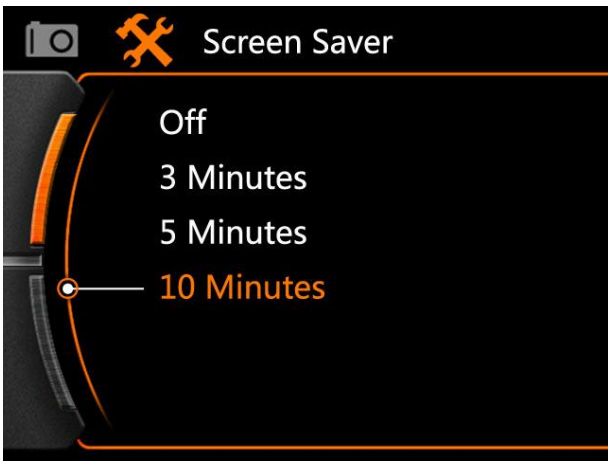
Off : Normal picture

On : 180° Rotated picture

9. Screen Saver

10. Press < > to select Screen Saver





Press REC to confirm and select

Press REC to confirm , save and quit

Off: Screen will not turn OFF

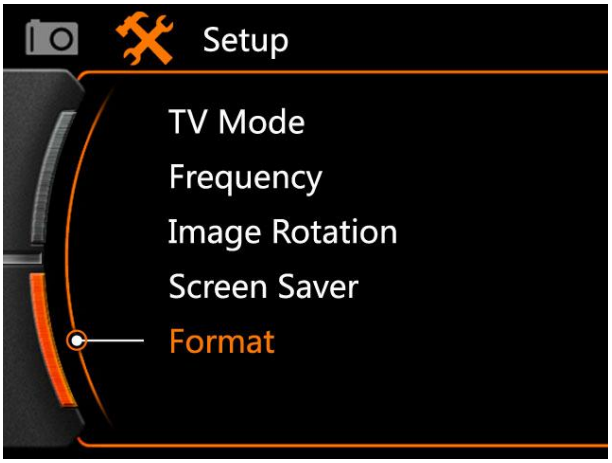
3 minutes : Screen will turn OFF automatically after 3 minutes if without any operation

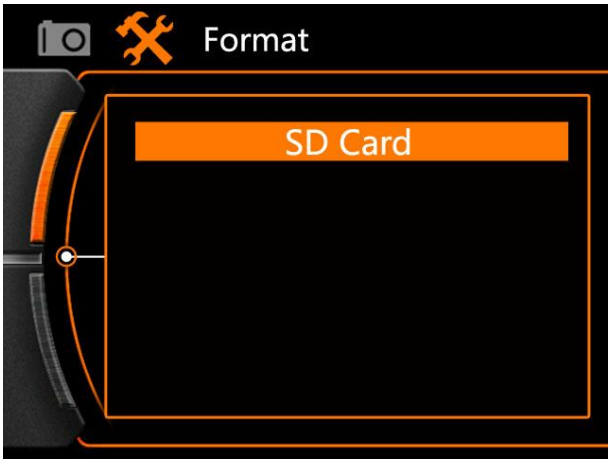
5minutes : Screen will turn OFF automatically after 5 minutes if without any operation.

10 minutes : Screen will turn OFF automatically after 10 minutes if without any operation

11. Format

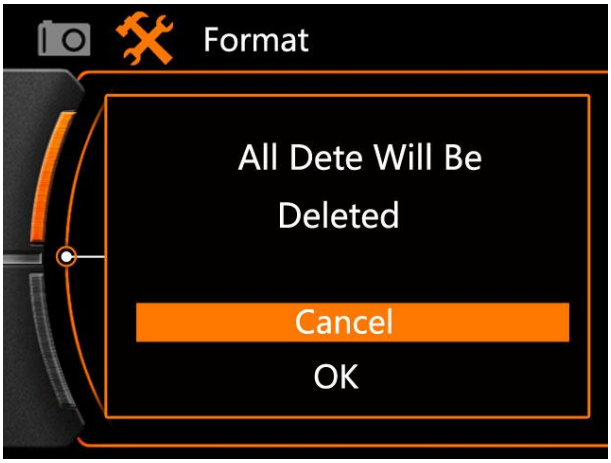
Press < > to select format





Press REC to confirm and select

Press < > to select format or not ,press REC to confirm



Cancel : Cancel operation and TF card will not be formatted

OK : format the current TF card

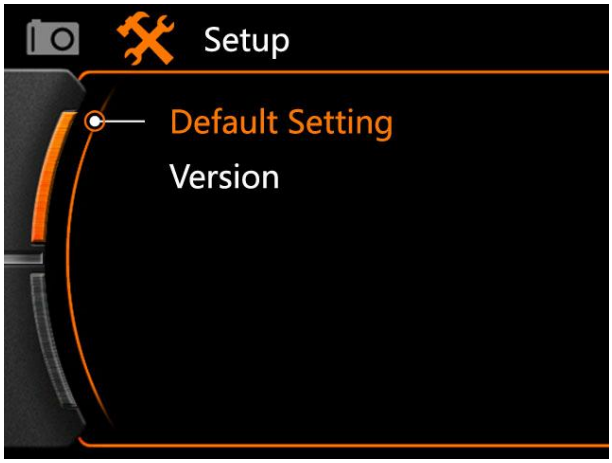
Press REC to confirm and quit

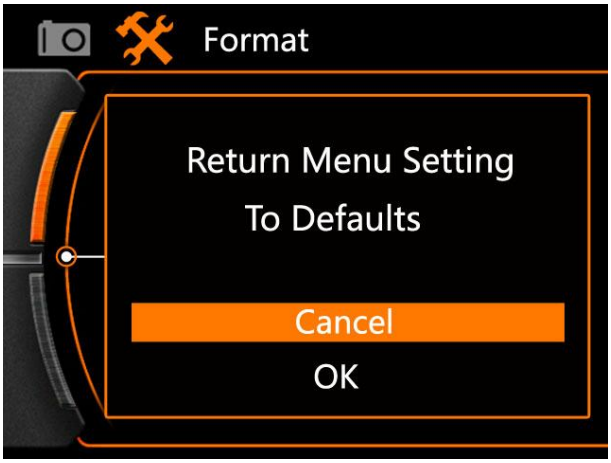
Attention:

Data could not be recovered after formatting operation, please be cautious.

12. Default setting

Press < > to select default setting





Press REC to confirm and select ,press < > to select whether return menu to default setting or not.

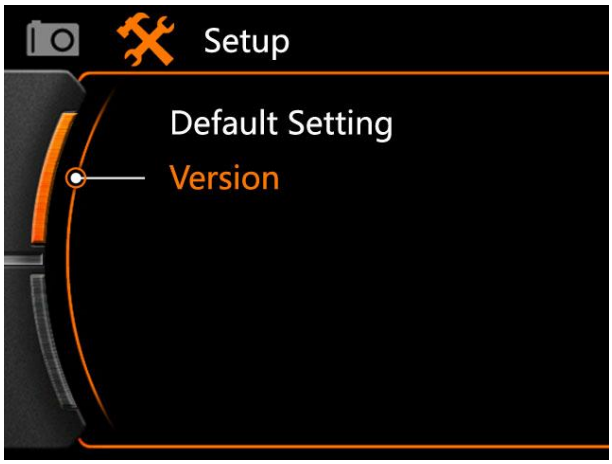
Press REC to confirm and quit.

Cancel : Cancel operation and system will not be reset

OK: Reset to factory setting

13. Version

Press < > to select the version ,press REC to confirm and watch the version information.



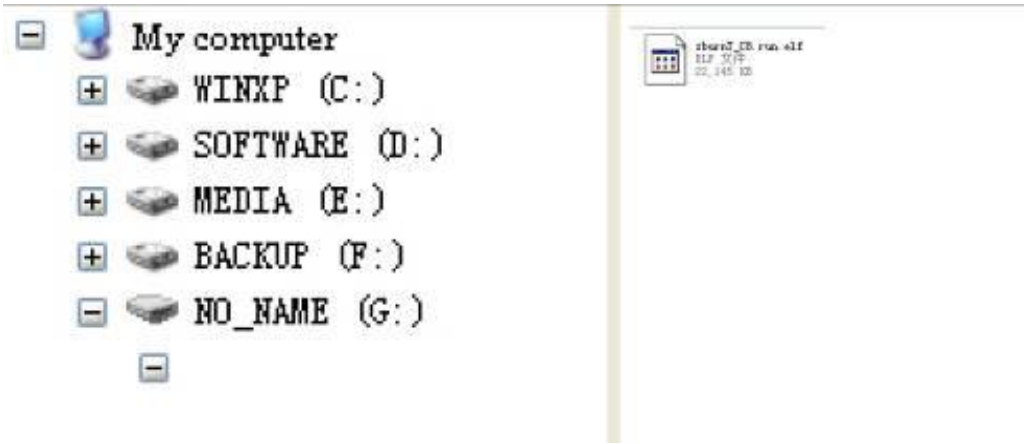
Press REC to quit to the setting menu.

14. Firmware Update

Download the firmware package from the official website or local distributers website , the package as below

After released:

Copy the file “ FW96650A.bin” to the root directory of TF card



Install the TF card to the camera and turn on , update process will run automatically.

Specifications

	ITEM		SPEC	REMARK
Main Spec	Build in storage		32MB	
	TF card		1-32GB	Support 32GB SDHC
	LCD	Size	1.5inch	
		resolution	480x240	
	sensor	size	1/3inch	CMOS
		image pixel	2304H x1536V	
	Video	output port	USB/RCA	
	Audio	Microphone	built in	
		Output port	USB/RCA	
		speaker	built in	
	Interface	USB	USB 2.0	high speed
	Power	Battery	3.7[V], 300[mAH]	Li-ion battery
		Car charger	DC 5V, 1A	
Camera Spec	Main Unit size		80x31.5x39mm	
	weight		g	Battery included
Other Spec	motion detection		Yes	
	loop record		yes	
	timing record		yes	
	zoom		yes	
	AV record option		yes	
	TF card full notice		yes	
	time stamp		yes	
	image flip		yes	
	video quality option		yes	
	support record under screen off		yes	

Specifications

<table>
<tr><th></th><th colspan="2">ITEM</th><th colspan="2">SPEC</th><th>REMARK</th></tr>
<tr><td></td><td colspan="2">File protected while lower power</td><td colspan="2">Yes</td><td></td></tr>
<tr><td rowspan="6">Video & Picture</td><td rowspan="4">Video record</td><td rowspan="4">optional</td><td colspan="2">Full HD1920x1080 30FPS</td><td></td></tr>
<tr><td colspan="2">HD1280x720 30FPS</td><td></td></tr>
<tr><td colspan="2">HD1280x720 60FPS</td><td></td></tr>
<tr><td colspan="2">HD1280x720 30FPS</td><td></td></tr>
<tr><td colspan="2">QVGA 848x480 60fps</td><td></td></tr>
<tr><td>Capture</td><td>optional</td><td colspan="2">4032x3024 12MP
3648 x 2736 10MP
3264 x 2448 8MP</td><td></td></tr>
<tr><td>Sound record</td><td></td><td colspan="2">yes</td><td></td></tr>
<tr><td rowspan="5">Playback</td><td colspan="2">slid show</td><td colspan="2">yes</td><td></td></tr>
<tr><td colspan="2">Thumbnail browse</td><td colspan="2">No</td><td></td></tr>
<tr><td rowspan="4">Video</td><td>support</td><td colspan="2">WVGA: 848x480</td><td></td></tr>
<tr><td>Frame rates</td><td colspan="2">30 fps</td><td></td></tr>
<tr><td>file format</td><td colspan="2">Full HDMOV H.264</td><td></td></tr>
<tr><td>Playing speed</td><td colspan="2">optional</td><td>X1, X2,X 4,X 8</td></tr>
<tr><td colspan="6">Accessories</td></tr>
<tr><td colspan="2">Camera Unit</td><td>1</td><td>Manual Disc</td><td>1</td><td></td></tr>
<tr><td colspan="2">3D Mount</td><td>1</td><td>USB & RCA cable</td><td>1</td><td></td></tr>
<tr><td colspan="2">Cigar Charger</td><td>1</td><td></td><td></td><td></td></tr>
<tr><td colspan="2">Cable clip</td><td>5</td><td></td><td></td><td></td></tr>
</table>

ATTENTION: Product will lost warranty if disassemble personally

Please login www.jeasun.net for more product information.